

Temposonics[®]

Magnetostrictive Linear Position Sensors

TempoLink Smart Assistant Data sheet

- Quick setup & diagnostics for R-Series $\ensuremath{\mathrm{V}}$
- No additional software needed
- Easy access via smartphone, tablet or computer



THE ACCESSORY FOR THE R-SERIES ${\bf V}$

The TempoLink smart assistant is an accessory for the R-Series V sensors family. It supports the setup of the sensor in the application as well as providing additional status information for sensor diagnostics.

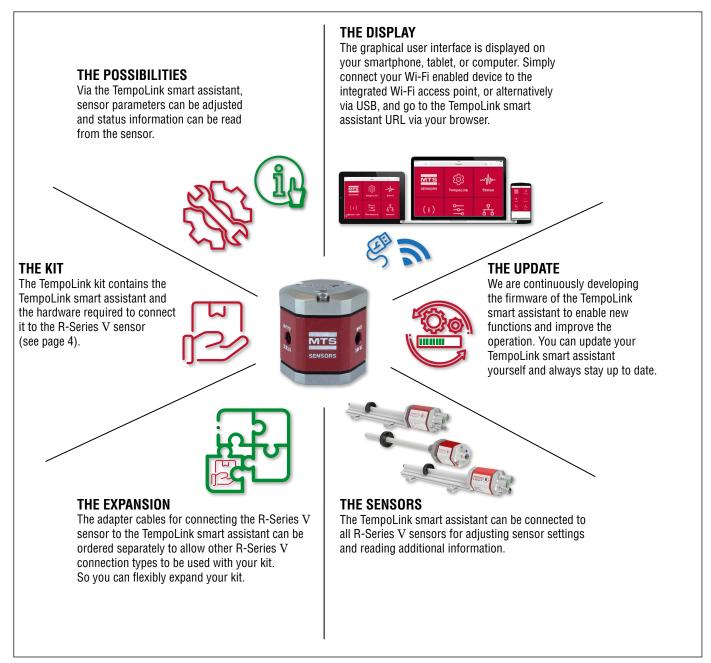


Fig. 1: The main advantages of the TempoLink smart assistant

TECHNICAL DATA

Operating conditions	
Operating temperature	-20+60 °C (-4+140 °F)
Humidity	1090 % relative humidity, no condensation
Ingress protection	IP30
Design / Material	
Housing	ABS plastic
Dimensions $(h \times w \times d)$	54 × 44 × 53 mm (2.1 × 1.7 × 2 in.)
Electrical connection	
Connection type	1 × micro USB 1 × barrel connector 2.1 × 5.5 mm (female) 1 × barrel connector 2.5 × 5.5 mm (female)
Operating voltage	+24 VDC
Power consumption	15 W (when connecting an R-Series V sensor)
Wi-Fi	
Wi-Fi standard	IEEE 802.11b/g/n
Frequency range	2.4 GHz: 2.412 GHz2.472 GHz

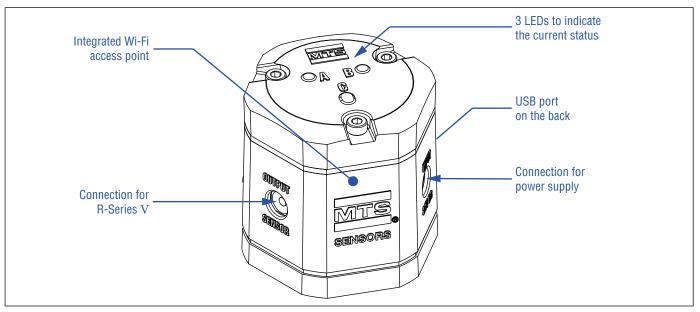


Fig. 2: The connection possibilities and status LEDs at the TempoLink smart assistant

CONTENT OF THE TempoLink KIT

The TempoLink kit contains the components required to connect the TempoLink smart assistant to a specific R-Series V sensor.

1 TempoLink smart assistant	(3) Adapter cable
	Each kit includes one of the listed adapter cables for connecting the TempoLink smart assistant to an R-Series V sensor
	Adapter cable for connection type D56
	Adapter cable for connection type D58
2 Power supply Each kit includes one of the listed options for power supply	
Plug-in power supply	Adapter cable for connection type D60
	Adapter cable for connection type D70
Cable for insertion in existing power supply for connection type D56	
	Adapter cable for cable output
Cable for insertion in existing power supply for connection type D58	
Barrel connector with pig-tail	(4) USB cable
	For optional connection of the TempoLink smart assistant to a computer
Fig. 3: Package contents of the TempoLink kit based on the kit order code (see page 6), part 1	

Fig. 4: Package contents of the TempoLink kit based on the kit order code (see page 6), part 2

FREQUENTLY ORDERED ACCESSORIES

Adapter cables for connection of TempoLink smart assistant to a specific R-Series V sensor



Adapter cable for D56 M8 female connector (4 pin) barrel Part no. 254 887-1

Material: PVC Material: PUR Cable length: 1.5 m Cable length: 1.5 m For connetion type: D56 For connetion type: D58 (EtherCAT[®]/EtherNet/IP[™]/POWERLINK/ (EtherCAT[®]/EtherNet/IP[™]/POWERLINK/ PROFINET) PROFINET)

Inline cables



Adapter cable for D58 M12 female connector (4 pin) barrel Part no. 254 897-1



Adapter cable for D60 M16 female connector (6 pin) barrel Part no. 254 989-1

Material: PVC Cable length: 1.5 m For connetion type: D60 (Analog)

Inline cable for D70

M16 female connector (7 pin) -

M16 connector male (7 pin)

with 2 barrel connectors Part no. 254 994-1



Adapter cable for D70 M16 female connector (7 pin) barrel Part no. 254 990-1 Material: PVC

Cable length: 1.5 m For connetion type: D70 (SSI)





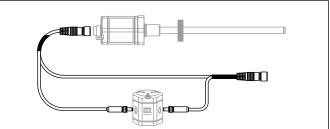
Adapter cable for cable output 6 × terminal clamps - barrel Part no. 255 043-1

Material: PVC Cable length: 1.5 m For connection type: Cable output (Analog/SSI)



Inline cable for cable output (SSI) 6 × terminal clamps pigtail with 2 barrel connectors Part no. 255 004

Material: PVC Material: PVC Cable length: 1.5 m Cable length: 1.5 m For connection type: Cable output (SSI) For connection type: D70 (SSI)



Inline cable

- The TempoLink smart assistant can be used to read out R-Series V status information during operation.
- SSI combines power supply and data lines in one cable.
- Inline cable allows the TempoLink smart assistant to be connected in parallel to the data transfer to the control. So status information can be read during operation of the R-Series V SSI sensor while the TempoLink smart assistant is connected.

ORDER CODE



a Type T L TempoLink smart assistant kit b Power supply 1 Plug-in power supply with plug adapters (AU, CCC, EU, UK, US) 2 Cable for insertion in existing sensor power supply with sensor mating connector and barrel connector (for connection type D56) 3 Cable for insertion in existing sensor power supply with sensor mating connector and barrel connector (for connection type D58) Barrel connector with pig-tail for connection to an existing 4 power supply c Option **0** No options d Adapter cables for connection to R-Series V E M 0 8 Cable with M8 female connector (4 pin) for connection type D56 (EtherCAT[®]/EtherNet/IP™/POWERLINK/PROFINET) (part no. 254 887-1) E M 1 2 Cable with M12 female connector (4 pin) for connection type D58 (EtherCAT[®]/EtherNet/IPTM/POWERLINK/PROFINET) (part no. 254 897-1) 7 0 Cable with M16 female connector (7 pin) for S D connection type D70 (SSI) (part no. 254 990-1) 0 Cable with 6 × terminal clamps for connection type S Α cable output (Analog/SSI) (part no. 255 043-1) A D 6 0 Cable with M16 female connector (6 pin) for

connection type D60 (Analog) (part no. 254 989-1)

DELIVERY



TempoLink smart assistant kit Adapter cables to connect

- TempoLink smart assistant TempoLink smart assistant to
 One of the three options for sensors of R-Series V can be
- the power supply
 One adapter cable to connect TempoLink smart assistant to R-Series V sensor

Adapter cables to connect TempoLink smart assistant to sensors of R-Series V can be ordered separately

 USB cable for optional connection of TempoLink smart assistant to a computer

Manuals, Software & 3D Models available at: www.mtssensors.com



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